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Intellectual Property & Standards GmbH, Weissshausstr. 2,
52066 Aachen (DE).

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(74) Agent: **VOLMER, Georg**; Philips Intellectual Property &
Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE).

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(71) Applicant (for DE only): **PHILIPS INTELLECTUAL
PROPERTY & STANDARDS GMBH** [DE/DE]; Stein-
damm 94, 20099 Hamburg (DE).

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(71) Applicant (for all designated States except DE, US):
KONINKLIJKE PHILIPS ELECTRONICS N. V.
[NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven
(NL).

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(72) Inventors; and

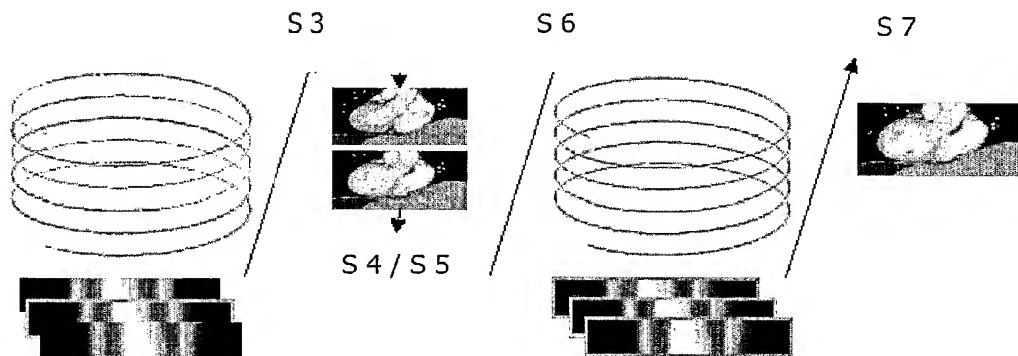
(75) Inventors/Applicants (for US only): **MANZKE, Robert**
[DE/DE]; c/o Philips Intellectual Property & Standards
GmbH, Weissshausstr. 2, 52066 Aachen (DE). **KOEHLER,
Thomas** [DE/DE]; c/o Philips Intellectual Property &
Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE).
GRASS, Michael [DE/DE]; c/o Philips Intellectual Prop-
erty & Standards GmbH, Weissshausstr. 2, 52066 Aachen
(DE). **MOVASSAGHI, Babak** [DE/DE]; c/o Philips

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(54) Title: GATED CONE-BEAM COMPUTED TOMOGRAPHY RECONSTRUCTION WITH MOTION COMPENSATION



(57) Abstract: E.g. in cardiac cone-beam CT, the source path is interrupted due to the fact that the projection data is gated. Accord-
ing to the present invention, a method is provided to obtain projection data corresponding to an uninterrupted source trajectory from
such a gated data set. For this purpose, a motion compensation is applied. Advantageously, a complete data set may be determined
allowing for an approximate or an exact reconstruction method to be applied to the completed data set without interruption of the
image generation.

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